

Application Serial No.: 09/965,180  
Amendment and Response to July 18, 2005 Final Office Action

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.(Currently amended) A method for allowing a stand-by server to ~~take over support for communications from~~ operate as a replacement for a main server, comprising:

detecting, by a stand-by server, lack of a signal initiated by a main server, wherein reception of said signal is indicative of availability of said main server;

establishing a connection with at least one client connection device by said stand-by server, wherein said stand-by server operates as a replacement for said main server;

requesting current call state information from said client connection device;

receiving current call state information from said client connection device; and

updating a call state information resource based on said current call state information received from said client connection device.

2.(Original) The method of claim 1, further comprising:  
receiving configuration information.

3. (Original) The method of claim 1, wherein said establishing a connection with at least one client connection device includes establishing a connection with said client connection device using an IP address known to said client connection device.

4. (Original) The method of claim 1, wherein said requesting current call state information from said client connection device includes requesting information from said client connection device regarding status of at least one communication line supported by said client connection device.

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5. (Original) The method of claim 1, wherein said receiving current call state information from said client connection device includes receiving information regarding status of at least one communication line supported by said client connection device.

6. (Original) The method of claim 1, further comprising:  
prior to said detecting lack of a signal initiated by said main server, receiving at least one signal initiated by said main server, said at least one signal being indicative of availability of said main server.

7. (Original) The method of claim 1, further comprising:  
requesting information regarding availability of said main server after said detecting lack of a signal initiated by said main server indicative of availability of said main server.

8. (Currently amended) A method for allowing a client connection device to switch between a main server and a stand-by server, comprising:  
conducting a call via a connection with a main server;  
dropping said connection to said main server;  
establishing a connection with a stand-by server to support said call, wherein said stand-by server operates as a replacement for said main server;  
receiving a request for call state information from said stand-by server;  
providing current call state information to said stand-by server; and  
conducting said call via said connection with said stand-by server.

9. (Original) The method of claim 8, wherein said dropping said connection to said main server includes maintaining said call while dropping said connection to said main server.

10. (Original) The method of claim 8, further comprising:

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detecting lack of a signal sent initiated by a main server, wherein reception of said signal is indicative of availability of said main server.

11. (Original) The method of claim 10, further comprising:  
prior to said detecting lack of a signal initiated by said main server, receiving at least one signal initiated by said main server, said at least one signal being indicative of availability of said main server.

12. (Original) The method of claim 8, wherein said establishing a connection with a stand-by server to support said call includes maintaining said call.

13. (Currently amended) A method for allowing a stand-by server to take over support for communications from a main server, comprising:

detecting lack of a signal sent initiated by a main server, wherein reception of said signal is indicative of availability of said main server;

establishing a connection with at least one client connection device by said stand-by server, wherein said stand-by server operates as a replacement for said main server;

requesting that said client connection device reset an active call to a designated call state; and

creating a call state information resource based, at least in part, on said designated call state.

14. (Original) The method of claim 13, further comprising:  
receiving configuration information.

15. (Original) The method of claim 13, further comprising:  
prior to said detecting lack of a signal initiated by said main server, receiving at least one signal initiated by said main server, said at least one signal being indicative of availability of said main server.

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16. (Original) The method of claim 13, further comprising:  
requesting information regarding availability of said main server after said  
detecting lack of a signal initiated by said main server indicative of availability of said  
main server.

17. (Currently amended) A method for allowing a client connection device to  
switch between a main server and a stand-by server, comprising:  
conducting a call via a connection with a main server;  
dropping said connection to said main server;  
establishing a connection with a stand-by server to support said call, wherein  
said stand-by server operates as a replacement for said main server;  
receiving a request initiated by said stand-by server to reset said call to a  
designated call state; and  
resetting said call to said designated call state.

18. (Original) The method of claim 17, wherein said dropping said connection to  
said main server includes maintaining said call while dropping said connection to said  
main server.

19. (Original) The method of claim 17, further comprising:  
detecting lack of a signal initiated by a main server, wherein reception of said  
signal is indicative of availability of said main server.

20. (Original) The method of claim 19, further comprising:  
prior to said detecting lack of a signal initiated by said main server, receiving at  
least one signal initiated by said main server, said at least one signal being indicative of  
availability of said main server.

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21. (Original) The method of claim 17, establishing a connection with a stand-by server to support said call includes receiving a signal from said stand-by server, said signal using a known IP address.

22. (Original) The method of claim 17, wherein said establishing a connection with a stand-by server to support said call includes maintaining said call.

23. (Currently amended) A method for allowing a stand-by server to take over support for communications from a main server, comprising:

a main server establishing at least one connection with at least one client connection device for support of at least one call;

said main server providing at least one signal to a stand-by server when said main server is available;

said stand-by server establishing at least one connection with said at least one client connection device when said stand-by server does not receive a designated number of signals from said main server indicative of availability of said main server, wherein said stand-by server operates as a replacement for said main server;

said stand-by server requesting call state information from said at least one client connection device; and

said stand-by server updating a call state information resource based on said call state information received from said at least one client connection device.

24. (Currently amended) A method for allowing a stand-by server to take over support for communications from a main server, comprising:

a main server establishing at least one connection with at least one client connection device for support of at least one call;

said main server providing at least one signal to a stand-by server when said main server is available;

said stand-by server establishing at least one connection with said at least one client connection device when said stand-by server does not receive a designated

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number of signals from said main server indicative of availability of said main server,  
wherein said stand-by server operates as a replacement for said main server;

said stand-by server requesting said at least one client connection device to  
reset to a designated call state; and

said stand-by server creating a call state information resource based, at least in  
part, on said designated call state.

25. (Currently amended) A computer program product in a computer readable  
medium for facilitating communications, comprising:

~~first~~ instructions for directing a first server to establish at least one connection  
with at least one client connection device for support of at least one call;

~~second~~ instructions for directing said first server to initiate at least one signal sent  
to a second server when said first server is available, said signal being indicative of  
availability of said first server to support said at least one call;

~~third~~ instructions for directing said second server to establish at least one  
connection with said at least one client connection device when said second server  
does not receive a designated number of signals initiated by said first server indicative  
of availability of said first server, wherein said stand-by server operates as a  
replacement for said main server;

~~fourth~~ instructions for directing said second server to request call state  
information from said at least one client connection device; and

~~fifth~~ instructions for directing said second server to update a call state information  
resource based on said call state information received from said at least one client  
connection device.

26. (Currently amended) A computer program product in a computer readable  
medium for facilitating communications, comprising:

~~first~~ instructions for directing a first server to establish at least one connection  
with at least one client connection device for support of at least one call;

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~~second~~ instructions for directing said first server to initiate at least one signal sent to a second server when said first server is available, said signal being indicative of said first server being available to support said at least one call;

~~third~~ instructions for directing said second server to establish at least one connection with said at least one client connection device when said second server does not receive a designated number of signals initiated by said first server indicative of availability of said first server, wherein said stand-by server operates as a replacement for said main server;

~~fourth~~ instructions for directing said second server to request said at least one client connection device to reset to a designated call state; and

~~fifth~~ instructions for directing said second server to create a call state information resource based, at least in part, on said designated call state.